

Werr, F.
THE DETERMINATION OF THE GREASE RESIST-
ANCE OF PAPERS, Pt. III. Oct 61, 21p. (5 figs.
omitted) 3 refs.
Order from SLA \$2.60 62-10309

Trans. of das Papier (West Germany) 1961, v. 15,
no. 9, p. 415-427.

DESCRIPTORS: *Paper, Greases, Resistance,
Determination.

See also 62-10398

(Materials--Paper, TT, v. 7, no. 9)

62-10309

I. Werr, F.

Office of Technical Services

Jayne, George; Gasche, Urs; and Duback, Max.
MECHANISMS IN ACID SULPHITE COOKING WITH
CALCIUM OR SODA BASE. [1962] [15]p. 22 refs.
Order from DLA 54,001 62-18917

Trans. of the Paper (Inst. of Chem.) 1961, v. 15,
p. 534-541.

DISCUSSION: *Wood pulp; *Analysis; Processing;
Mechanical properties; *Paper industry; Manufacture;
methods; Chemical analysis.

(Materials - Wood, Pulp, Paper, etc.)

62-18917

I. Jayne, G.
II. Gasche, U.
III. Duback, M.

Office of Technical Services

Virkola, Nils-Erik and Alm, Aarnio A.
APPROACHES TO THE POSSIBILITIES OF CONTROL-
LING THE QUALITY OF PAPER PULP. [1962] 19p.
(figs. omitted) 34 refs.
Order from SLA \$1.60

63-10150

Trans. of das Papier (West Germany) 1961, v. 15,
no. 10A, p. 522-529.

DESCRIPTORS: *Wood pulp, *Paper industry, Quality
control, Manufacturing methods.

(Materials--Paper, TT, v. 9, no. 10)

63-10150

I. Virkola, N. -F.
II. Alm, A. A.

Office of Technical Services

Albrecht, J. and Falter, K. -A.
COMPARATIVE ASSESSMENTS OF THE PRINTABILITY OF PRINTING PAPERS. Apr 62, 13p. (figs. omitted) 15 refs.

Order from SLA \$1.60

62-16508

Trans. of [das] Papier (West Germany) 1961, v. 15, no. 10a, p. 610-625.

DESCRIPTORS: *Papers, *Printing, Quality control, Statistical functions, *Ink.

(Materials--Paper, TT, v. 8, no. 10)

62-16508

I. Albrecht, J.
II. Falter, K. -A.

Office of Technical Services

Brecht, W. and Kirchner, U.
THE AIR CONTENT OF PAPER PULP SUSPEN-
SIONS. Mar 62, 10p. (figs. omitted) 5 refs.
Order from SLA \$1.10 62-16505

Trans. of das Papier (West Germany) 1961. v. 15.
no. 10a. p. 625-634.

DESCRIPTORS: *Paper, Production, Air, Absorption,
Bubbles, Foams, Stability, *Wood pulp, Water,
Drainage, Milling machines, Particles.

(Materials--Paper, TT, v. 8, no. 10)

62-16505

I. Brecht, W.
II. Kirchner, U.

Office of Technical Services

62-16504

Brecht, W. and Weltzel, W.
THE SPECIFIC CLEANING ACTION OF DIFFERENT
TYPES OF WIRE SPRAY PIPES. Mar 62, 7p. (figs.
omitted) 5 refs.
Order from SLA \$1.10 62-16504

Trans. of [das] Papler (West Germany) 1961, v. 15,
no. 10a, p. 635-643.

DESCRIPTORS: Paper, Production, *Milling machines,
Pipes, *Cleaning, Water, *Spray nozzles, Consump-
tion, Reduction, Liquid jets, Wire screens, Water
filters, Water impingement

A mathematical procedure is given for calculating
the tension in the various parts of the wire, the
tractive force required, and the distribution of the
tractive forces between the two driving rolls, for
calculation of the power of the electric drive. In this
(Materials--Paper, TT, v. 8, no. 10) (over)

I. Title: Fourdrinier wire
I. Brecht, W.
II. Weltzel, W.

Office of Technical Services

Gorling, P.
BEHAVIOR OF HYDROPHILIC HYDRATE CELLULOSE
GEL FILMS IN THE COURSE OF THE DRYING
PROCESS. (Verhalten Hydrophiler Gelfilme aus
Celulosehydrat Beim Trocknen). Apr 62 [33]p. 8 refs.
Order from SIA \$3.60 63-10791

Trans. of the Paper (West Germany) 1962, v. 16,
no. 1, p. 9-18.

DESCRIPTORS: *Hydrates, *Cellulose, *Gels, *Films,
Dehydration, Processing, Mechanical properties.

(Materials--Plastics, TT, v. 9, no. 12)

63-10791

I. Gorling, P.

Office of Technical Services

Lehmann, Wolfgang.
AUTOMATIC CONTROL DEVICES FOR PAPER
MACHINES, PT. I. 29 June 62, 21p. (12 figs. refs.
omitted).
Order from SLA \$2.60

62-18043

Trans. of das Papier (West Germany) 1962, v. 16,
no. 2, p. 33-61.

DESCRIPTORS: Paper, Paper industry, *Wood pulp
machines, Machines, *Automation, Quality control,
Manufacturing methods, *Control systems.

(Materials--Paper, TT, v. 8, no. 5)

62-18043

I. Lehmann, W.

Office of Technical Services

A Small-Scale Laboratory Viscose Plant for
Testing Pulp for Chemical Fibers, by
E. Treiber, J. Rehnstrom.
CHEMAN, per, das Papier, Vol 16, 1962,
pp 85-94.
HTO-69-12942-11L

Sci-Mat
Sept 69

391,246

Small-Scale Laboratory Viscose Plant for Testing
Pulp for Chemical Fibres, by E. Treiber.

GERMAN, per, Papier, Vol XVI, 1962, pp 85-94.

NZDIA

Sci- M/M
Mar 63

225,283

Goenen, H.
NEW ROUGHNESS TESTER AND ITS CONTRIBUTION
TO THE EVALUATION OF PRINTABILITY. Feb 62
[9]p. (figs. table omitted) 1 ref.
Order from SLA \$1.10

62-16511

Trans. of [de] Papierwereld (Netherlands) 1961, v. 16,
no. 3, p. 63-65, 68, 73; no. 4, p. 91-95, 97, 100-103.

DESCRIPTORS: *Paper, *Printing, Test equipment,
Reproduction, Photographic paper, Quality control,
Surfaces.

The difference between the smoothness achieved by
dynamic supercalendering and by glazing between
steel plates was studied. With approximately the same
roughness mean values, the non-uniformity in rough-
ness or the uniformity in smoothness in papers glazed
between two steel plates was greater than in paper
(Materials--Paper, TT, v. 8, no. 10) (over)

62-16511

L. Goenen, H.

Office of Technical Services

Lehmann, Wolfgang.
AUTOMATIC CONTROL DEVICES FOR PAPER
MACHINES, PT. II. 29 June 62, 16p. (5 figs. refs.
omitted).
Order from SLA \$1.60

62-18044

Trans. of das Papier (West Germany) 1962, v. 16,
no. 3, p. 95-102.

DESCRIPTORS: *Paper, Paper industry, *Wood pulp
machines, Machines, *Automation, Quality control,
Manufacturing methods, Dehydration, Steam, Control
systems.

See also 62-18043.

(Material--Paper, TT, v. 8, no. 8)

62-18044

I. Lehmann, W.

Office of Technical Services

The Behavior of Hydrophilic Gel Films of
Cellulose Hydrate Upon Drying, by P. Goerling.
GERMAN, per, Papier, Vol 16, 1962, pp 9-18.
NTC-71-12680-11I

Nov 71

Jayne, G. and Fengel, D.
ELECTRON MICROSCOPE PHOTOGRAPHS OF THE
SURFACES OF SEMI-CHEMICAL SOFT WOOD PULP
FIBRES. Nov 62, 7p. (figs. omitted) 13 refs.
Order from SLA \$1.10 63-10060

Trans. of das Papier (West Germany) 1962, v. 16, no. 4,
p. 125-130.
Another trans. is available from SLA \$1.10 as
62-20469 [1962] 10p.

DESCRIPTORS: *Wood pulp fibers, Surfaces, Photo-
graphic analysis, Electron microscopes, *Cellulose
chemistry.

In contrast with pulp fibres the electron microscope
pictures taken of replicas of unbleached softwood semi-
chemical pulp fibres show surfaces which are more or
less extensively blurred by deposited lignin and
hemicelluloses. The swelling of the fibre walls during
(Materials--Wood, TT, v. 9, no. 9) (over)

63-10060

I. Jayne, G.
II. Fengel, D.

2/15

9.2. 62-20469

Office of Technical Services

Lehmann, Wolfgang.
AUTOMATIC CONTROL DEVICES FOR PAPER MA-
CHINES, PT. III. 29 June 62, 16p. (7 figs. refs.
omitted).

Order from SLA \$1.60 62-18045

Trans. of the Paper (West Germany) 1962, v. 16,
no. 4, p. 131-134.

DESCRIPTORS: *Paper, Paper industry, *Wood pulp
machines, Machines, *Automation, Quality control,
Manufacturing methods, *Control systems.

See also 62-18044

(Materials--Paper, TT, v. 8, no. 8)

62-18045

I. Lehmann, W.

Office of Technical Services

Matthes, A.
USE OF STATISTICS IN THE RESEARCH WORK OF
THE PULP AND REGENERATED FIBER INDUSTRY.
[7 Feb 63] [26]p. 3 refs.
Order from SLA \$2.60

63-18272

Trans. of das Papier (West Germany) 1962, v. 16,
no. 6, p. 229-236.

DESCRIPTORS: Industrial research, Statistical
analysis, *Wood pulp, *Fibers (Synthetic), Paper
industry, Rupture, Probability, Tensile properties,
Viscose, Cellulose, Chemical properties.

(Materials--Paper, TT, v. 10, no. 11)

(over)

63-18272

I. Matthes, A.

Office of Technical Services

Kubat, Jan and Sedivy, Milan.
THE EFFECT OF PULP YIELD ON SUITABILITY
OF DIFFERENT RAW MATERIALS FOR MAKING
LINER BOARDS FOR CORRUGATING MEDIUM.
[1962] [14]p.
Order from SLA \$1.60

63-10075

Trans. of das Papier (West Germany) 1962, v. 16,
no. 6, p. 236-243.

DESCRIPTORS: *Paper, *Fiberboard, Mechanical
properties, Packing materials, Wood pulp, Industrial
production.

(Materials--Paper, TT, v. 10, no. 3)

63-10075

- I. Title: Corrugated board
1. Kubat, J.
- II. Sedivy, M.

NRC/RJ C-4131

Office of Technical Services

TT-63-20576

1. Hirschberg, R.

Hirschberg, Rudolf.
ON A PROCESS FOR THE CONTINUOUS MANUFACTURE OF CHLORINE DIOXIDE FROM SODIUM CHLORATE AND SULFUR DIOXIDE (Über ein Verfahren zur kontinuierlichen Herstellung von Chlordioxyd aus Natriumchlorat und Schwefeldioxyd).
[1963] [16p] (foreign text included) 23 refs
Order from SLA \$1.60

TT-63-20576

Reprint trans. of *das Papier* (West Germany) 1962, v. 16, no. 9, p. 419-423. (Abstract available)

DESCRIPTORS: *Industrial production, *Chlorine compounds, Dioxides, Sodium compounds, Chlorates, Sulfur compounds, Chemical reactions, *Bleaching agents,

The paper describes the successful industrial production of chlorine dioxide in a 4 stage continuous process through the reaction of NaClO_3 , SO_2 and H_2SO_4 . The (Engineering--Chemical, TT, v. 11, no. 4) (over)

Office of Technical Services

Jayne, G. and Fengel, D.
ELECTRON OPTICAL STUDIES OF THE FINE
STRUCTURE OF SOFTWOOD CELLS. Jan 63 [7]p.
(figs. tables omitted) \$3 refn.
Order from SLA \$1.10 63-14470

Trans. of the Papeter (West Germany) 1962, v. 14,
no. 10a, p. 519-524.

DESCRIPTORS: *Electron microscopes, Wood,
*Wood pulp, *Electron optics.

(Materials--Wood, TT, v. 10, no. 4)

63-14470

I. Jayne, G.
H. Fengel, D.

Office of Technical Services

Bartunek, Richard.
RECENT CONTRIBUTIONS TO THE THEORY OF THE
VISCOSE PROCESS (Beiträge zur Viskosechemie).
[10 Aug 63] [20]p. 19 refs.
Order from SLA \$1.60

63-18276

Trans. of das Papier (West Germany) 1962, v. 16,
no. 10a, p. 568-572.

DESCRIPTORS: *Viscose, Processing, Theory, Chemi-
cal industry, Cellulose, Sodium compounds, Hydrates,
Aging (Materials), Xanthic acid, Solubility, *Wood pulp,
Sheets, *Paper industry

Particular consideration was given to such items as: the
identification of the NaOH-hydrate complex participat-
ing in the formation of sodium cellulose I; the specific
pulp sheet properties causing insufficient mercerization
in the dipping press; studies on the reaction mechanism
in the aging process and the influence of resins, waxes
(Materials--Paper, TT, v. 10, no. 11) (over)

63-18276

1. Title: Mercerization
1. Bartunek, R.

Office of Technical Services

Brecht, W.
FIBRE RECOVERY FROM PAPER MACHINE WASTE
WATER. [1963] 13p (figs omitted) 13refs
Order from SLA \$1.60

TT-64-14348

Trans. of das Papier (West Germany) 1962, v. 16,
no. 10a, p. 633-643.

DESCRIPTORS: *Wastes (Industrial), Machines,
*Paper, *Wood pulp, Recovery, Flotation (Separation).

(Materials--Paper, TT, v. 11, no. 7)

TT-64-14348

I. Brecht, W.

Office of Technical Services

Brecht, W. and Zippel, F.
INVESTIGATIONS INTO THE OPERATION OF MILL
WASTE WATER CLARIFICATION PLANTS. [1963]
[15p] (figs omitted) 2 refs
Order from SLA \$1.60

TT-63-20826

Trans. of das Papier (West Germany) 1962, v. 16,
no. 10a, p. 645-654. (Abstract available)

DESCRIPTORS: *Water supplies, *Wastes (Industrial),
*Purification, Paper Industry, Sedimentation, Separation,
tion,

Investigations on 13 clarifying installations employed by
the Paper and Board Industry indicated that considerable
differences existed in the layout of the installations and
the circulatory systems inside the overall production
water system. So far as fibre recovery is concerned,
good clarifying effects are almost always obtained,
although with chemical/mechanical clarification there is
(Engineering--Chemical, TT, v. 11, no. 3) (over)

TT-63-20826

- I. Title: Clarifying plant
- I. Brecht, W.
- II. Zippel, F.

Office of Technical Services

Luhde, Friedrich.
THE INFLUENCE OF CONVENTIONAL AND DISK-
REFINED GROUNDWOOD PROCESSES ON WOOD
DEFIBRATION. [1963] 27p. 7 refs.
Order from SLA \$2.60

63-16642

Trans. of das Papier (West Germany) 1962, v. 16,
no. 11, p. 655-663.

DESCRIPTORS: *Wood pulp, Fibers (Natural), Lignin,
Material separation.

(Materials--Paper, TT, v. 10, no. 8)

63-16642

I. Luhde, F.

NRC/Ref:C-4395

Office of Technical Services

Jayne, G. and Murty, V. L.
ESTABLISHING THE FLOCCULATION OF FIBRE
SUSPENSIONS, ITS INFLUENCE ON SHEET STRUC-
TURE, AND VARIATIONS CAUSED BY MANNO-
GALACTAN, Aug 63 [20p] 14refs
Order from SLA \$1.60

TT-63-20827

Trans. of the Paper (West Germany) 1962, v. 16,
no. 11, p. 664-670. (Abstract available)

DESCRIPTORS: *Wood pulp, Sheets, *Fibers, Chemical
precipitation, Mechanical properties, Additives,
Material separation, Microstructure.

Laboratory investigations were conducted to study
flocculation in fibre suspensions prepared from five
different types of bleached pulp as well as from mixtures
of spruce and straw pulp. The results clearly indicated
a linear increase of the degree of non-uniformity (WZ)
(Materials--Wood, TT, v. 11, no. 4) (over)

TT-63-20827

- I. Title: Mannogalactan
- I. Jayne, G.
- II. Murty, V. L.

Office of Technical Services

Ruck, H.
INTRACELLULAR REACTIONS IN THE MERCERIZING
PROCESS OF CELLULOSE. [31 Oct 63] [29p] 41 refs
Order from SLA \$2.60
TT-64-10935

Trans. of the Papier (West Germany) 1962, v. 16,
no. 12, p. 702-712

(Materials--Plastics, TT, v. 12, no. 2)

TT-64-10935

I. Ruck, H.

Office of Technical Services

Voss, J. and Meyer-Berge, O.
STRUCTURE OF CELLOPHANE. [12 Jul 63] [13p]
3 refs
Order from SLA \$1.60

TT-64-10932

Trans. of das Papier (West Germany) 1962, v. 16,
no. 12, p. 724-728.

(Materials--Plastics, TT, v. 11, no. 12)

TT-64-10932

I. Voss, J.
II. Meyer-Berge, O.

Office of Technical Services

Hirschberg, Rudolf.
ON A PROCESS FOR THE MANUFACTURE OF
CHLORINE DIOXIDE ON THE BASIS OF THE RE-
ACTION OF CALCIUM CHLORATE WITH HYDRO-
CHLORIC ACID (Über ein Verfahren zur Herstellung
von Chlordioxyd auf Grundlage des Umsatzes von
Calciumchlorat mit Salzsäure). [1963] [18p] (foreign
text included) 8 refs
Order from SLA \$1.60

TT-63-20574

Reprint trans. of das Papier (Germany) 1963, v. 17
no. 1, p. 1-5. (Abstract available)

DESCRIPTORS: *Chlorine compounds, *Dioxides,
Production, *Calcium compounds, *Chlorates,
Chlorides, *Hydrochloric acid, *Catalysts, Manganese,
Silver catalysts, Towers (Chemistry), Wood pulp,
*Bleaching agents.

(Engineering--Chemical, TT, v. 11, no. 6) (over)

TT-63-20574

I. Hirschberg, R.

Office of Technical Services

Contribution to the Knowledge of Sulphate Pulps
with Biological Properties - Morphology and
Condition of Swelling, by H. Gessler, G. Jayme.
GERMAN, per, Das Papier, Vol 17, No 1, 1963,
pp 5-14
Gb 167/3533

Sci -
Jul 67

334,156

Brüning, D.

SYNTHETIC FIBERS: A RAW MATERIAL IN THE
MANUFACTURE OF PAPER (Synthetische Fasern als
Papierrohstoff). [6 May 63] [15 p. (figs. omitted)]
68 refs.

Order from SLA \$1.60

63-18366

Trans. of the Papier (West Germany) 1963, v. 17,
no. 2, p. 45-52

DESCRIPTORS: *Fibers (Synthetic), Processing,
Materials, Cellulose, Polyamide plastics, Paper
industry, Machines.

A state-of-the-art survey.

(Materials--Paper, TT, v. 10, no. 11)

63-18366

I. Brüning, D.
II. Title: Raw...

Office of Technical Services

Brecht, W. and Wanka, R.
CONTRACTION OF PAPER IN THE CROSS DIREC-
TION. Jan 64. 11p (figs omitted) briefs
Order from SLA \$1.60

TT-64-14800

Trans. of das Papier (West Germany) 1963, v. 17,
no. 4, p. 141-147.

(Materials--Paper, TT, v. 11, no. 11)

TT-64-14800

I. Brecht, W.
II. Wanka, R.

Office of Technical Services

Glertz, Hans. W.
HIGH YIELD PULPS AND THEIR PROPERTIES. [1963]
[10p] 10refs
Order from SLA \$1.10

TT-64-10684

Trans. of das Papier (West Germany) 1963, v. 17,
no. 5, p. 181-196.

DESCRIPTORS: *Wood pulp, Lignin, *Paper, Sheets,
Stretch forming, Fibers, Sulfites, Processing,
Mechanical properties.

(Materials--Paper, TT, v. 11, no. 6)

TT-64-10684

I. Glertz, H. W.

Office of Technical Services

Müller-Rid, W. and others.
A CONTRIBUTION TO EXPLAIN THE APPEARANCE
OF BARRINGS ON PAPER PRODUCED ON HIGH-
SPEED PAPER MACHINES. [1963] [17p] (figs omitted)
4refs

Order from SLA \$1.60

TT-63-20825

Trans. of das Papier (West Germany) 1963, v. 17, no. 5,
p. 197-206.

DESCRIPTORS: *Paper, Production, *Machines, Oscil-
lation, Sheets, Thickness, Vibration, Industrial
equipment,

(Materials--Paper, TT, v. 11, no. 3)

TT-63-20825

I. Müller-Rid, W.

Office of Technical Services

Nordman, L. and Göttsching, L.
STRENGTH OF FIBER-FIBER BONDS IN PAPER
FROM BIRCH SEMICHEMICAL PULP. [1963] [21p]
27 refs
Order from SLA \$2.60 TT-63-20727

Trans. of the Paper (West Germany) 1963, v. 17
[no. 6] p. 237-246.

DESCRIPTORS: *Paper, *Wood pulp, Mechanical
properties, Material forming, Bleaching.

It was found that the bonding strength increases with
increasing beating. The bonding strength value was
expressed in erg/cm^2 , the work necessary to separate
the bonded fibre surfaces in an optically measured
bonding unit area. This is explained by the increase of
contact areas capable of bonding during the course of
the beating. The change in bonding strength values in
(Materials--Paper, TT, v. 11, no. 4) (over)

TT-63-20727

I. Nordman, L.
II. Göttsching, L.

Office of Technical Services

Damping of Paper With the V.I.B. Spray Damper,
by P. Schlechter.

GERMAN, per, Papier, Vol 17, No 2, 1963,

pp 1-4/2.

GE/167/3614

Sci -

Jul 67

394,042

Printability of High Gloss Papers, by H. Toepsch.
GERMAN, per, Papier, Vol 17, No 10a, 1963,
FF 8-634 - 638
GB 167/4012

Sci -
Jul 67

334,161

<p>Opak, Alfred. DECREASED SULPHITE YIELDS THROUGH "NEUTRO" FULFURAC 9p. South. Order from ELA \$1.10 TT-64-16363</p> <p>Trans. of the Papier (West Germany) 1963, v. 17, no. 11, p. 639-643.</p> <p>(Sensitization—Paper, TT, v. 12, no. 4)</p>	<p>TT-64-16363</p> <p>I. Opak, A.</p> <p>Office of Technical Services</p>
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Brecht, W. and Hampel, I.
COMPARISON OF DIFFERENT INSTRUMENTS FOR
MEASURING THE AIR PERMEABILITY OF PAPER.
[1963] 13p (figs omitted) 10refs
Order from SLA \$1.60

TT-64-14802

Trans. of das Papier (West Germany) 1963, v. 17,
no. 12, p. 687-696.

DESCRIPTORS: *Paper, *Permeability, Air, Porosity,
*Test equipment.

(Materials--Paper, TT, v. 11, no. 10)

TT-64-14802

I. Brecht, W.
II. Hampel, I.

6B 167/3534

Office of Technical Services

Influence of Climatic Conditions on Some
Properties of Kraft Sack Paper and Paper Sacks,
by H. Jacobsen.

GERMAN, per, Das Papier, Vol. 18, No. 5,
1964, pp 217-221
CSIRO/ No. 7128

Sci -
Aug 67

337-076

Electric Heating for Calender Rolls.
GERMAN, per, Papier, Vol. 18, No. 5, 1964,
pp 229-230
GB 167/4142

Sci -
Aug 67

335-674

Agency: Library of Congress

P.O.No. L572-1261

28 Feb. 72

~~XXXXXXXXXXXX~~

R-14646-D

Title: The Empirical X-ray Determination of the degree of Crystallinity of Cellulosic Material

Author: Georg Jayne, Herbert Knolle

Source: Das Papier, Vol. 18, #6, June 1964

Language: German

Instructions: Please translate & type single space.
No paste-up, leave space, translate all captions.

Oxidation of Cotton Cellulose by Sodium
Hypochlorite in the Presence of Cobaltous
Nitrate, by K. Dimov, W. Lalova, R.
Garvanaka.

GERMAN, per, das Papier, Vol 18, 1964,
pp 258-61.

SLA TT-66-10754

Sci-6 Materials
Jul 67

331, 590

Making of High Yield Spruce Pulp by Rapid
Magnesium Bisulphite Cooking, by G.
Jayme, L. Broschinsky, W. Matzke.
GERMAN, per, Papier, Vol. 18, No. 7, 1964,
pp 308-315
NRC Ref: C-5723

Sci -
Aug 67

337-430

Suggestions for the Conversion and Planning of
Paper Mills, by K. F. Schonemann.
GERMAN, per, Papier, Vol 18, No 7, 1964,
ff 24-315 - 321
GB 167,3995

Sci -
Jul 67

334,160

Modification of Cellulose by Graft
Polymerization, by J. Schurz.
GERMAN, per Papier, Vol. 18, No. 9, 1964,
pp 437-442
NRC Ref: C-5740

Sci -
Aug 67

337-434

On Vulcanized Fiber, by K. Neuschaffer.
GERMAN, per, Das Papier, Vol 18, No 9, 1964,
pp 442-444.
Chem Trans Sv 3098

326,410

Sci - Materials
May 67

TT-65-13813

Field 11L

Sihvola, H.; Laamanen, L.
STUDIES ON THE ACETYLATION OF PULPS. 10p, 10refs.
Order from SLA: \$1.10 as TT-65-13813

Trans. of das Papier (West Germany) v18 n10a p600-6 1964.

MR 688

R-5413-D

Changes in Sulfite Pulp Quality Due to Open-Air
Storage of Hardwood and Soft-Wood Chips,
by H. Zak, et al.
~~KREMER~~, per, Das Papier, Vol XVIII, No 11, 1964,
GERMAN
pp 691-699.

*JPRS/USDA

Sci
Jun 65
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Investigations on the Dewatering of the
Waste Water Sludges of the Paper Industry,
by W. Brecht, W. Merlau. 9 p.
GERMAN, per, das Papier, Vol 18, No 12,
1964, pp 741-746.
SLA TT-66-10496

Sci-Engr
Jul 66

306,128

Technology of the Beating Process, by F.
Wultsch, J. Schurz.
GERMANY, per, Papier, Vol. 18, 1964, pp 759-764
GB 121

Sci -
Aug 67

335-678

The Measurement and Analysis of the Gel
Volume Centrifuged from Diluted Crude
Viscose, R. Stahn.

GERMAN, per, ~~das Papier~~, Vol 18, 1964,
pp 765-71.

SLA TT-66-10749

331, 589

Sol - Materials
Jul 67

The Use of IR Spectroscopy in Examining
Pulp and Paper, G. Jayne, E. M. Rohmann.
GERMAN, per, das Ausland, Vol 18, 1968,
pp 768-78.
ATB-117910

331, 586

Sci - Materials
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The Present Estimate of Attempts to Fix
Standard Characteristics of Paper for
Bags and Paper Bags in the Federal German
Republic, by R. A. Krums, 7 pp.

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FRUMCH, per, Paper Carton at Cellulose, Sep-
Oct 1955, p 69.

SIA Tr 57-1732

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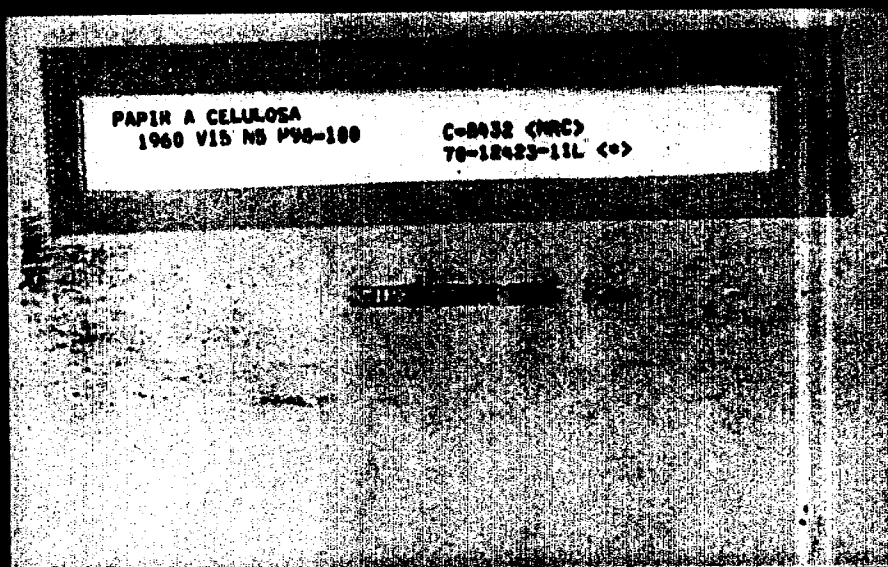
Measurement of Wood in Paper Mills, by A. Villiere,
10 pp.

FRENCH, per, Papier, Carton et Cellulose, Vol VII,
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SLA 59-10093

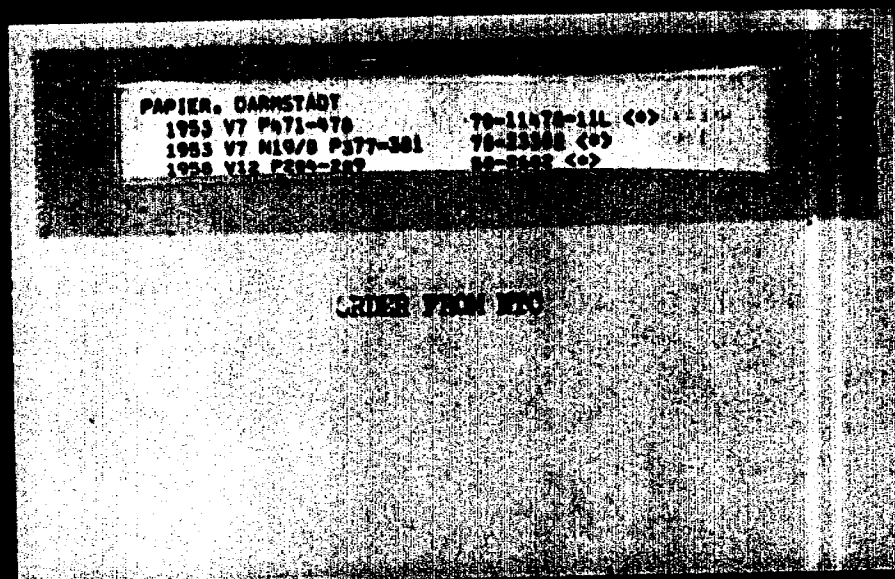
Sci - Chem
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Vol 2, No 1

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A Study of the Recovery of Chemicals from
Sodium Sulfite Spent Liquors by the Indirect
Oxidation of the Sulfide in a Rotary Installation,
by J. Johnos.
EUROPEAN, per, Papir a Celulosa, Vol 16, No 7, 1961,
pp 145-149.
NTC-71-16229-11L

Jan 72



Tests Carried out with Various Impregnation
Dispersions and Round Aluminium Foil Laminations
on Paper and Pasteboard Containers, by G. Giersch.
GIERSCH, Ger, Papier Und Druck, Vol 12, No 6, 1903,
p. 8-124
G. G.

Sci -
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Quantitative Determination of Adhesive Colloids
in Animal Glue, by Franz Lorenz, 15 pp.
GERMAN, per, Papier-Fabrikant, Der, Vol 21, 1923,
pp 105-110.
Depp of Navy NIC Trans 3032

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May 70

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1924 V22 P198-114

1929 V27 P00-60

1930 V28 M38 P604-687

1930 V28 M40 P632-634

1934 V34 M40 P363-367

1941 V39 P14-17

70-23963 <*>

70-20794 <*>

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Bleaching of Wood Cellulose (4th Communication), The
Influence of Metals and Metal Salts on Hypochlorites
and Bleaching Process (1), by Hermann Wenzl

GERMAN, per. Der Papier fabrikant, Vol XXV, Fest- und
Auslandsheft, 1927, pp 76-85.

S.L.A. Tr Pool

Scientific - Chemistry
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Measurements on the Viscosity of Cellulose, by
Albert and Ernst Seger Kung

GERMAN, per, ~~XXXX~~ ⁹ ~~Papier-Fabrikant~~, Vol XXVII,
No 2, 192-, pp 433-436.

S.L.A. Tr Pool

Scientific - Chemistry
CIS/LMK

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Noll, August and Hölder, Fritz.
CONCERNING THE DETERMINATION OF LIGNIN
IN PAPER PULP, REPT. 1. [1963] [19]p. (figs.
omitted) 3 refs.
Order from SLA \$1.60

63-14104

Trans. of ~~Papier-Fabrikant~~ (Germany) 1931 [v. 29]
no. 30, p. 485-490.

DESCRIPTORS: *Lignin, Paper, Wood pulp, Chemical
analysis, Hardness, Hydrolysis.

A rapid method is described for the determination of
lignin in pulps which can be carried out with the
simplest accessories. The method relies on the use of
the so-called powdered material, a dust-fine material
produced by a specially constructed grinder. Sac-
charification of the carbohydrate material is brought
about by a new method with 78% sulfuric acid in the
(Materials--Wood, TT, v. 10, no. 2) (over)

63-14104

I. Noll, A.
II. Hölder, F.

Office of Technical Services

Noll, A[ugust], Bolz, F., and Fiedler, H.
IMPROVEMENT OF THE METHODS FOR LIGNIN
DETERMINATION IN PULPS, REPT. 2. [1963] 14p.
Order from SLA \$1.60 63-14108

Trans. of Papier-Fabrikant (Germany) 1932 [v. 30]
no. 43, p. 613-616.

DESCRIPTORS: *Lignin, *Wood pulp, Chemical
analysis, Paper industry.

It is shown by experimental examples that the resin,
which is precipitated at the same time, increases the
lignin determination. Several ways are shown of ob-
taining a resin-free lignin which provides an improve-
ment in the general method. A new routine of opera-
tion is given which makes it possible to analyze
bleached pulps with exceptionally low lignin contents.
(Author) (See also 63-14104)
(Materials--Wood, TT, v. 10, no. 2)

63-14108

- I. Noll, A.
- II. Bolz, F.
- III. Fiedler, H.

Office of Technical Services

Investigations on Removal of Water From Paper on the
Felt-covered Drying Cylinders of Paper Machines, by
W. Mull, 67 pp.

Full translation.

1932
GERMAN, psm, Der Papierfabrikant, pp 701-704, 725-729,
737-742, 749-751.

S.L.A.

Scientific - Engineering

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Jul 56

63-14109

Noll, August and Hölzer, Fritz.
STANDARD METHOD FOR THE DETERMINATION
OF THE LIGNIN-CONTENT OF BLEACHED AND
UNBLEACHED PULPS, REPT. 3. [1963] 8p. (figs.
omitted) 13 refs.
Order from SLA \$1.10

63-14109

Trans. of Papier-Fabrikant (Germany) 1934 [v. 32]
no. 15, p. 169-170.

DESCRIPTORS: *Lignin, *Wood pulp, Chemical
analysis, Bleaching, Resins, Paper industry.

Two parallel research series were drawn up, in
which one is designed for the quantitative determina-
tion of the lignin content while the second serves as a
test of the completeness of the saccharification.
(Author) (See also 63-14108)

(Materials- Wood, TT, v. 10, no. 2)

- I. Noll, A.
- II. Hölzer, F.

Office of Technical Services

The Specific Gravity of Pulpwood, by Rudolf Sieber,
9 pp.

Full translation.

GERMAN, per, Der Papier Fabrikant, ~~XXXXXX~~ Sep 15, 22,
1935.

S.L.A.

Scientific - Engineering

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Stress and Cause of Wear of Fourdrinier Wire,
by O. Sturmer, 32 pp.

~~FRENCH~~, per, Papier Fabr., Vol XXXI, No 22,23,
May 28, Jun 4, 1933, pp 317-321, 331-336.

S.L.A. Tr 57-183

Sci - Engineering
May 57

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Binding of Solvents by Immobilization,
by F. Eirich, H. Mark.
GERMAN, per, Papier-Fabrikant, Vol 35,
No 27, 1937, pp 251-258.
NTC 69-10945-07D

Sci-Chem
May 69

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Determination of Volume Swelling of Fibres,
by P. ~~EM~~ Eckert.

GERMAN, per, Papierfabrikant, Vol XXV,
1937, ~~414-443~~.

CSIRO 4676

Sci - Chem
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<p>Brecht, W. and Blikstad, P. A NEW INSTRUMENT FOR MEASURING THE STIFFNESS OF PAPER CARTON BOARD AND BOARD. Sep 60 (8)p. (7 figs. omitted). Order from SLA mi\$1.80, ph\$1.80</p> <p>Trans. of Papier-fabrikant (Germany) 1960, v. 38, no. 4, p. 17-22.</p> <p>(Materials--Paper, TT, v. 5, no. 2)</p>	<p>60-18887</p> <p>I. Paper--Testing equipment 1. Brecht, W. II. Blikstad, P.</p> <p>Office of Technical Services</p>
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Lechner, Richard.
PENTOSANS FROM WOOD AND THEIR USE IN
FERMENTATION. [1963] 25p. 11 refs.
Order from SLA \$2.60 63-14107

Trans. of Papier-Fabrikant (Germany) 1940, v. 38
[no. 48/49] p. 294-299.

DESCRIPTORS: *Wood, *Fermentation, *Pentoses,
Yeasts, Polysaccharides, Carbohydrates, Biochemis-
try, Chemical Industry.

(Materials--Wood, TT, v. 10, no. 2)

63-14107

1. Title: Pentosans
1. Lechner, R.

Office of Technical Services

On Wet Screening (Fine Screening) of Fibres in the
Paper Industry, by W. Brecht, M. Schroter

ERMAN, per, Papier-Fabr, Vol VIII, 1944, pp 259-268.

Nat'l Res Council Canada TT 289

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Making of High Yield Spruce Pulp by Rapid
Magnesium Bisulphite Cooking. 2. Vapour
Phase Cooking by Direct Heating, by G.
Jayme, W. Matzke.
GERMAN, per Pap Fabr. Vol. 92, No. 11/12,
1964, pp 311-314
NRC Ref: C-5724

Sci -
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337-431

Relative Wet Strength of Kraft Sack Papers
CZECH per, Papierverarbeiter Vol 3: 56-8
GB/167/1694

Sci-mat
July 69

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Measurement of Paper Thickness, by G. H.
Hellenberg.

DUTCH, per, Papierwereld, Jul 1955, p 307.

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The Identification of Pulps for the Paper and
Board Industry and the Staining of Such Pulps
with the Aid of Microscopic Props, by D. Keiser.

DUTCH, per, Papierwereld, Vol X, No 12, Jul
1956, pp 275-278.

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Testing Standards for Bag Papers, by A. H. H.
Van Royen, 8 pp.

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DUTCH, per, Papier Gereld, Aug 1956, pp 11-18 1,

SIA 57-3481

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The Influence of Relative Humidity on Paper,
by W. Brecht.

GERMAN, per, Papierwereld, Vol XIII, No 2,
1958, pp 35-47.

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Dec 62

Water as a Means of Transport, by
W. Van der Meer, Jr, 30 pp.

DUTCH, per, Papierwereld, 1958,
Vol XII, No 12, pp 303-309.

SLA 60-14203

Sci
Vol IV, No 5
Mar 62

188, 464

The Water-Soluble Matter in Artificially Aged
Paper Pulp - Its Origin and Its Importance in
Yellowing, by J. G. Treffers,

Swedish, per, Papierwereld, Vol XV, 1960, pp 69-74,
79-80.

GB/96

Sci
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Nederveen, Ir. G. van and Meesters, H. W. G.
MANUFACTURE AND POSSIBILITIES OF APPLICATION OF PAPER-PLASTIC LAMINATES. [1962] 5p.
(figs. omitted).
Order from SLA \$1.10

62-18728

Trans. of de Papierwereld (Netherlands) 1961, v. 15,
no. 9, p. 243-248, 253.

DESCRIPTORS: *Laminates, *Paper, *Plastics, Manufacturing methods.

(Materials--Plastics, TT, v. 9, no. 8)

62-18728

I. Nederveen, I. G. van
II. Meesters, H. W. G.

Office of Technical Services

influence of the Relative Atmospheric Humidity on
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UTCH, per, de Papierwereld, Vol XIII, No 2, 1956,
35ff.

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Sweerman, A. J. W.
SMOOTHNESS AND POROSITY OF PAPER. [1961] 12p.
Order from SLA \$1.60 61-10452

Trans. of [de] Papierwereld (Netherlands) 1960, v. 14,
no. 11, p. 619-624; I[nstitute of] P[aper] C[hemistry].
A[bstract] B[ulletin (U. S.) 1960?] v. 31, p. 241.

DESCRIPTORS: *Paper, Porosity, Surface properties,
Test equipment.

A new instrument is described that simultaneously
measures smoothness and porosity. It consists of a
rectangular slit filled with liquid which is moved
across the paper in a definite manner. During this
motion the irregularities in the surface are filled and a
certain amount of liquid penetrates. With the instru-
ment, the portions of liquid taken up by the paper be-
cause of roughness and because of penetration can be
distinguished.
(Materials--Paper, TT, v. 6, no. 8)

61-10452

1. Sweerman, A. J. W.

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Office of Technical Services

The Physical Chemistry of the Parchmentisation
Process, by C. Stalicky, M. Vondrakova.

CZECH, per, Papir a Celulosa, No 9, 1957,
pp 194-198.

ML M 8988

Sci - Chem
May 63

SUA 62-20007

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ATC EXP
A New Type of Corrugated ~~Export~~ Packing,
by J. Bohacek, 5 p.
~~CZECH~~, *Rev*, *Pr*, *Pr* a Cellulosa, Vol XII, No 9,
1957. pp 206-208.

ATS-01M40C

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Vol IV, No 2

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New Developments in Paper and Board Testing
During 1957, by M. Soucek.

FRENCH, per, Papir a Celulosa, Vol XIII,
No 3, 1958, pp 58-62.

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Oct 61

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Skalicky, C. and Vondrakova, M.
EVALUATION OF THE PARCIMENTISING PROPERTIES OF PULPS. [1963] 8p. (figs. tables omitted)
5 refs.

Order from SLA \$1.10

63-18349

Trans. of Papir a Celuloza (Czechoslovakia) 1963,
v. 10, no. 12, p. 260-264.

DESCRIPTORS: Paper, *Wood pulp, Sheets,
Manufacturing methods.

(Materials--Paper, TT, v. 10, no. 7)

63-18349

1. Title: Parchment
I. Skalicky, C.
II. Vondrakova, M.

Office of Technical Services

Tracing Paper From Hardwood Pulp, by J. Hancil,

CZECH, per, Paper & Cellulose, Vol XIV, No 7,
1959, pp 149-150.

ATB CJ-2237

Sci - Chem

May 60

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Retraction of Galactomannan Gase in Paper,
by M. Svaton, J. Kubat, 8 pp.

CZECH, per, ~~XXXXXXXXXX~~ Papir a Cellulosa,
Vol XIV, No 10, 1959, pp 223-226.

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Vol IV, No 9

187, 130

Mar 62

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(DC-4099).

The Third Five Year Plan in the Paper and
Cellulose Industry, by Jan Neumann, 6 pp.
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CZECH, per, Papir a Celulosa, Vol XV, No 1,
1960, pp 1, 2.

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EEur - Czechoslovakia

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Soviet Machines for the Cellulose and Paper
Industry in Czechoslovakia, by M. S., 6 pp.
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CZECH, per, Papir a Celulosa, No 5, 1960, pp 115,
116.

EEw - Czech

USSR

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THE PRODUCTION OF PAPER FOR DECORATIVE
LAMINATES. [1963] 5p (figs omitted)
Order from SLA \$1.10

TT-63-20823

Trans. of Papir a Celulosa (Czechoslovakia) 1960, v. 15,
no. 6, p. 122-123.

DESCRIPTORS: *Paper, *Laminates, *Amino plastics,
Wood pulp, Impregnation, Absorption (Physical),
Brightness, Aging (Materials), Mechanical properties,
*Sizing, *Fillers, Titanium compounds, Dioxides.

(Materials--Paper, TT, v. 11, no. 4)

TT-63-20823

I. Hancil, J.
II. Faltys, J.

Office of Technical Services

Surface Treatment of Paper in Size Presses,
by M. Svaton.
EUROPEAN, per, Papir a Celulosa, No 8, 1960,
pp 180-186.
NTC-71-11522-11L

Feb 72

Methanolysis of Wood, by V. Hnetkovsky.

CZECH, per, Papir a Celulosa, Vol XVI, No 1,
1961, pp 10-12.

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Sci - Biol
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Korda, Josef.
OLD THEORIES AND MODERN VIEWS ON BEATING.
Nov 62, 9p. 42 refs.
Order from SLA \$1.10

63-10525

Trans. of Papir a Cellulosa (Czechoslovakia) 1961
[v. 16] p. 18-21.

DESCRIPTORS: *Paper, Cellulose, Fibers, Water,
Hydrogen, Bonding, Absorption, Surface properties,
Electrical double layer, Adhesion.

1. Title: Beating
1. Korda, J.

(Materials--Papers, TT, v. 10, no. 2)

Office of Technical Services

(NY-614741)

Conference on the Control of Water Pollution in
the Chemical Industry, by Ks, 4 pp. OFFICIAL USE

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CZECH, per, Papir a Celulosa, Vol XVI, No 2,
1961, pp 41, 42.

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TT-65-63278

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Suty, Ladislav.

ULTRAVIOLET SPECTROPHOTOMETRY IN THE CELLULOSE INDUSTRY, Aug 65, 11p, 35refs. AERDL-T-1799-65; AD-619 814.

Order from CFSTI or ETC: hHC\$1.00, MF\$0.50 as AD-619 814

Trans. of ~~Papir a Celulosa~~ (Czechoslovakia) v17 n11 p239-41 1962.

Translated under contract DA44 009AMC930T.

- I. Suty, Ladislav
- II. AERDL-T-1799-65
- III. Holman (John F.) Co., Inc.,
Washington, D. C.

Katona, K.
NEW CORRECTIVE PROCEDURE FOR DETER-
MINING MEAN FIBRE LENGTH. [1961] Sp. (11 figs.
1 table omitted).
Order from SLA \$1.10 61-10024

Trans. of Papir es Nyomda[technika] (Hungary) 1955,
v. 7, no. 2/3, p. 63-67.

DESCRIPTORS: *Fibers, Determination, *Cellulose,
Manufacturing methods, Mechanical properties, *Paper
industry.

A close correlation is established between the size of
chips, the fibres produced therefrom, and the average
fibre-length. This correlation is expressed in an
easily managed mathematical formula. By means of
this, not only the detrimental degree of chipping, but
the original fibre-length of the plant can be calculated
for the purpose of fibre measurements.

61-10024

L. Katona, K.

185070

(Materials--Paper. TT. v. 6,
no. 9)

Office of Technical Services